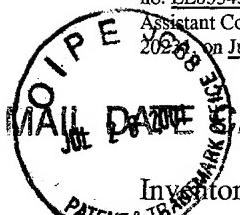


This correspondence is being sent via express mail
no. EL833456174US In an envelope addressed to the
Assistant Commissioner of Patents, Washington, D.C.
20231 on July 25, 2001



MAIL DATE STAMP IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent & Trademark Office
JUL 25 2001
Inventor: Brad Bosworth & Peter Vögeli)
Serial No.: 09/844,268)
Attorney Docket No. 21419/91513)
Filing Date: April 27, 2001)
Title: COMPOSITIONS TO IDENTIFY SWINE)
GENETICALLY RESISTANT TO F18 E. COLI)
ASSOCIATED DISEASES)
Examiner: N/A
Art Unit: N/A

SUBMISSION OF SEQUENCE LISTING UNDER 37 C.F.R. § 1.821(e)

Assistant Commissioner for Patents
BOX MISSING PARTS
Washington, D.C. 20231

Dear Sir:

The paper copy of the Sequence Listing in this application 09/844,705, is identical to the computer readable copy of the Sequence Listing filed in application 09/443,766, filed November 19, 1999. In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed in that application as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the instant application. A paper copy of the Sequence Listing is included in a separately filed preliminary amendment for incorporation into the specification.

No fees are believed due at this time, however, please charge any deficiencies or credit any overpayments to deposit account number 10-0435 with reference to our attorney docket number (21419/91513)

Respectfully Submitted,

Alice O. Martin
Attorney for Applicant
Reg. No. 35,601

02/04/2002 NPIASASD 00000008 100435 09844268
01 FC:105 130.00 CH

BARNES & THORNBURG
2600 Chase Plaza
10 South LaSalle Street
Chicago, Illinois 60603
July 25, 2001
CHDS01 AOM 105756v1



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/844,268	04/27/2001	Brad T. Bosworth	21419/91513

O I P E J C E
 PATENT & TRADEMARK OFFICE
 2360 CHASE PLAZA
 LASALLE STREET
 CHICAGO, IL 60603



CONFIRMATION NO. 9905

FORMALITIES LETTER



OC000000006197587

Date Mailed: 06/19/2001

NOTICE OF INCOMPLETE NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

A filing date has NOT been accorded to the above-identified application papers for the reason(s) indicated below.

All of the items noted below and a newly executed oath or declaration covering the items must be submitted within **TWO MONTHS** of the date of this Notice, unless otherwise indicated, or proceedings on the application will be terminated (37 CFR 1.53(e)).

The filing date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the item(s) required below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the Office of Petitions accompanied by the \$130.00 petition fee (37 CFR 1.17(h)). If the petition states that the application is entitled to a filing date, a request for a refund of the petition fee may be included in the petition.

- The application was deposited without drawings. 35 U.S.C. 113 (first sentence) requires a drawing "where necessary for the understanding of the subject matter sought to be patented." Applicant should reconsider whether the drawings are necessary under 35 U.S.C. 113 (first sentence).

The required items noted below SHOULD be filed along with any items required above. The filing date of this nonprovisional application will be the date of receipt of the items required above.

- The statutory basic filing fee is missing.
Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$270.
 - \$270 for multiple dependent claim surcharge.
- The balance due by applicant is \$ 980.**
- This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing

date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- **For Rules Interpretation, call (703) 308-4216**
- **To Purchase PatentIn Software, call (703) 306-2600**
- **For PatentIn Software Program Help, call (703) 306-4119 or e-mail at
patin21help@uspto.gov or patin3help@uspto.gov**

A copy of this notice MUST be returned with the reply.

Ngan
Customer Service Center
Initial Patent Examination Division (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE

This correspondence is being deposited mailed via
Express Mail No. EL496395728US in an envelope
addressed to Assistant Commissioner for Patents
Washington D.C. 20231, on February 22, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAIL RECEIVED JUL 2 2000
O I P E JCS
U.S. PATENT & TRADEMARK OFFICE
JUL 25 2000
O I P E JCS
U.S. PATENT & TRADEMARK OFFICE
Serial No. 09/443,766)
Attorney Docket No. 21419/90368) Group No. 1643
Filing Date: November 19, 1999)
Title: METHODS AND COMPOSITIONS TO)
IDENTIFY SWINE GENETICALLY RESISTANT)
O F.18 E.COLI ASSOCIATED DISEASES)

TRANSMITTAL LETTER FURNISHING
NUCLEOTIDE AND/OR AMINO ACID SEQUENCE LISTING

Assistant Commissioner of Patents
Box Sequence Listing
Washington, D.C. 20231

Dear Sir:

Enclosed is a Nucleotide and/or Amino Acid Sequence Listing. Attachments to the response include a Sequence Listing, a Sequence Disk, and the required statement.

Respectfully submitted,


Alice O. Martin
Registration No. 35,601

Barnes & Thornburg
2600 Chase Plaza
10 South LaSalle Street
Chicago, Illinois 60606
(312) 214-8316
February 22, 2000